

WHAT IS CLAIMED IS:

1. A system of controlling storage of content in memory, the system comprising:

5 a network entity comprising an expiration control application capable of receiving a status of at least one piece of content stored in memory of a terminal, wherein each piece of content is associated with at least one parameter including at least one of a client expiration time and a deletion priority value, and wherein the network entity is also capable of controlling storage of content in memory of the terminal based upon the status and the at least one associated parameter.

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2. A system according to Claim 1, wherein the expiration control application is capable of determining if memory of the terminal has sufficient storage capacity for at least one subsequent piece of content, and if memory does not have sufficient storage capacity, instructing at least one of the terminal and a user of the terminal to delete at
15 least one piece of content based upon the deletion priority value of each piece of content stored in memory of the terminal.

3. A system according to Claim 2, wherein the expiration control application is capable of determining at least one piece of content having an exceeded client
20 expiration time, identifying a piece of content having a highest deletion priority value from the at least one piece of content having an exceeded client expiration time, and instructing the terminal to delete the identified piece of content.

4. A system according to Claim 3, wherein the expiration control application
25 is capable of repeatedly identifying a piece of content, and instructing the terminal to delete the identified piece of content, until one of memory of the terminal has sufficient storage capacity for the at least one subsequent piece of content, and each piece of content having an exceeded client expiration time has been identified and deleted.

30 5. A system according to Claim 4, wherein when memory of the terminal does not have sufficient storage capacity for at least one subsequent piece of content and

each piece of content having an exceeded client expiration time has been identified and deleted, the expiration control application is further capable of identifying at least one piece of content having a highest deletion priority value from at least one piece of content remaining in memory of the terminal, and instructing the terminal to delete the identified
5 at least one piece of content.

6. A system according to Claim 1, wherein the network entity is capable of storing at least one piece of content, wherein the at least one parameter further includes a server expiration time, and wherein the network entity is capable of sending at least one
10 piece of content to the terminal.

7. A system according to Claim 6, wherein the expiration control application is further capable of monitoring the server expiration time of the at least one piece of content in memory of the network entity to determine if at least one piece of content has
15 an exceeded server expiration time, and if at least one piece of content has an exceeded server expiration time, instructing the network entity to delete the at least one piece of content having an expired server expiration time.

8. A system according to Claim 1 further comprising:
20 a terminal capable of sending the status of at least one piece of content stored in memory of the terminal such that the network entity can control the storage of content in memory of the terminal.

9. A system according to Claim 8, wherein the terminal is capable of
25 associating each piece of content stored in memory of the terminal with at least one parameter.

10. A system according to Claim 9, wherein the terminal is capable of setting a deletion priority value for at least one piece of content.

11. A system according to Claim 1, wherein the network entity is capable of associating each piece of content stored in memory of the terminal with at least one parameter.

5 12. A terminal for controlling storage of content in memory, the terminal comprising:

a memory capable of storing at least one piece of content, wherein each piece of content is associated with at least one parameter including at least one of a client expiration time and a deletion priority value; and

10 a controller capable of sending a status of the at least one piece of content stored in memory such that storage of the at least one piece of content in memory can be controlled based upon the status and the at least one parameter.

15 13. A terminal according to Claim 12, wherein the memory is capable of storing the at least one piece of content such that it can be determined if the memory has sufficient storage capacity for at least one subsequent piece of content, and if the memory does not have sufficient storage capacity, the controller can delete at least one piece of content based upon the deletion priority value of each piece of content stored in memory.

20 14. A terminal according to Claim 13, wherein the controller is capable of sending a status of the at least one piece of content such that at least one piece of content can be determined to have an exceeded client expiration time, and wherein the controller is capable of deleting a piece of content having a highest deletion priority value from the at least one piece of content having an exceeded client expiration time.

25 15. A terminal according to Claim 14, wherein the controller is capable of repeatedly deleting a piece of content having a highest deletion priority value from the at least one piece of content having an exceeded client expiration time until one of memory of the terminal has sufficient storage capacity for the at least one subsequent piece of
30 content, and each piece of content having an exceeded client expiration time has been identified and deleted.

16. A terminal according to Claim 15, wherein when the memory does not have sufficient storage capacity for at least one subsequent piece of content and each piece of content having an exceeded client expiration time has been identified and
5 deleted, the controller is capable of deleting at least one piece of content having a highest deletion priority value from at least one piece of content remaining in memory of the terminal.

17. A terminal according to Claim 12, wherein the controller is capable of
10 associating each piece of content stored in the memory with at least one parameter.

18. A terminal according to Claim 17, wherein the controller is capable of setting a deletion priority value for at least one piece of content.

15 19. A method of controlling storage of content in memory, the method comprising:
receiving a status of at least one piece of content stored in memory of a terminal, wherein each piece of content is associated with at least one parameter including at least one of a client expiration time and a deletion priority value; and
20 controlling storage of content in memory of the terminal based upon the status and the at least one parameter associated with each of the at least one piece of content.

20. A method according to Claim 19, wherein controlling storage of content in memory of the terminal comprises:
25 determining if memory of the terminal has sufficient storage capacity for at least one subsequent piece of content; and if memory does not have sufficient storage capacity, deleting at least one piece of content based upon the deletion priority value of each piece of content stored in memory of the terminal.

30 21. A method according to Claim 20, wherein deleting at least one piece of content comprises:

determining at least one piece of content having an exceeded client expiration time; and

identifying, and thereafter deleting, a piece of content having a highest deletion priority value from the at least one piece of content having an exceeded client expiration time.

22. A method according to Claim 21, wherein identifying, and thereafter deleting, a piece of content comprise repeatedly identifying, and thereafter deleting, a piece of content until one of memory of the terminal has sufficient storage capacity for the at least one subsequent piece of content, and each piece of content having an exceeded client expiration time has been identified and deleted.

23. A method according to Claim 22, wherein when memory of the terminal does not have sufficient storage capacity for at least one subsequent piece of content and each piece of content having an exceeded client expiration time has been identified and deleted, the method further comprises:

identifying, and thereafter deleting, a piece of content having a highest deletion priority value from at least one piece of content remaining in memory of the terminal.

24. A method according to Claim 19 further comprising:
receiving at least one piece of content at a network entity; and
sending at least one piece of content to the terminal such that the terminal receives, and thereafter stores, the at least one piece of content.

25. A method according to Claim 24, wherein the at least one parameter further includes a server expiration time, and wherein the method further comprises:

monitoring the server expiration time of the at least one piece of content in memory of the network entity to determine if at least one piece of content has an exceeded server expiration time; and if at least one piece of content has an exceeded server expiration time,

deleting the at least one piece of content having an expired server expiration time.

26. A method according to Claim 19 further comprising:
associating each piece of content stored in memory of the terminal with at least one parameter.

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27. A method according to Claim 26, wherein associating each piece of content comprises setting a deletion priority value for at least one piece of content at the terminal.

10 28. A method according to Claim 26, wherein associating each piece of content comprises associating each piece of content stored in memory of the terminal with at least one parameter at a network entity capable of controlling storage of content in memory of the terminal.

15 29. A computer program product for controlling storage of content in memory, the computer program product comprising a computer-readable storage medium having computer-readable program code portions stored therein, the computer-readable program code portions comprising:

20 a first executable portion for receiving a status of at least one piece of content stored in memory of a terminal, wherein each piece of content is associated with at least one parameter including at least one of a client expiration time and a deletion priority value; and

25 a second executable portion for controlling storage of content in memory of the terminal based upon the status and the at least one parameter associated with each of the at least one piece of content.

30 30. A computer program product according to Claim 29, wherein the second executable portion is adapted to determine if memory of the terminal has sufficient storage capacity for at least one subsequent piece of content, and if memory does not have sufficient storage capacity, instructing at least one of the terminal and a user of the

terminal to delete at least one piece of content based upon the deletion priority value of each piece of content stored in memory of the terminal.

5 31. A computer program product according to Claim 30, wherein the second executable portion is adapted to determine at least one piece of content having an exceeded client expiration time, identify a piece of content having a highest deletion priority value from the at least one piece of content having an exceeded client expiration time, and instruct the terminal to delete the identified piece of content.

10 32. A computer program product according to Claim 31, wherein the second executable portion is adapted to repeatedly identify a piece of content, and instruct the terminal to delete the identified piece of content, until one of memory of the terminal has sufficient storage capacity for the at least one subsequent piece of content, and each piece of content having an exceeded client expiration time has been identified and deleted.

15 33. A computer program product according to Claim 32, wherein when memory of the terminal does not have sufficient storage capacity for at least one subsequent piece of content and each piece of content having an exceeded client expiration time has been identified and deleted, the computer program product further comprises:

 a third executable portion for identifying, and thereafter instructing the terminal to delete, a piece of content having a highest deletion priority value from at least one piece of content remaining in memory of the terminal.

25 34. A computer program product according to Claim 30 further comprising:
 a third executable portion for receiving at least one piece of content at a network entity; and

 a fourth executable portion for sending at least one piece of content to the terminal such that the terminal receives, and thereafter stores, the at least one piece of
30 content.

35. A computer program product according to Claim 34, wherein the at least one parameter further includes a server expiration time, and wherein the computer program product further comprises:

5 a fifth executable portion for monitoring the server expiration time of the at least one piece of content in memory of the network entity to determine if at least one piece of content has an exceeded server expiration time, and if at least one piece of content has an exceeded server expiration time, deleting the at least one piece of content having an expired server expiration time.

10 36. A computer program product according to Claim 29 further comprising:
a third executable portion for associating each piece of content stored in memory of the terminal with at least one parameter.

15 37. A computer program product according to Claim 36, wherein the third executable portion is adapted to set a deletion priority value for at least one piece of content at the terminal.

20 38. A computer program product according to Claim 36, wherein the third executable portion is adapted to associating each piece of content stored in memory of the terminal with at least one parameter at a network entity capable of controlling storage of content in memory of the terminal.